MONTHLY WEATHER MAP

METEOROLOGICAL SERVICE, DOMINION OF CANADA

APRIL 1930

TEMPERATURE

April was warm in the West, with excess over normal temperature 3 to 8 degrees in the grain region, 2 to 4 degrees in British Columbia, except the northern coast, and 1 to 5 degrees in northwestern Ontario, except the coast of Hudson Bay. In the East the month was generally cool, with a deficiency of 2 or 3 degrees in the Temiskaming, Ottawa Valley and Georgian Bay regions, northwestern New Brunswick and southwestern Nova Scotia. Elsewhere in the East temperatures were nearly normal or slightly above.

In the lower Mackenzie Valley, the Hudson Bay and Strait region, the month was cold with deficiencies of 4 to 9 degrees over a large area. In the Yukon temperatures were a little higher than normal.

PRECIPITATION

Over most of Canada this was a dry April. In Ontario, Quebec except the lower St. Lawrence Valley, the Atlantic Provinces, Manitoba except the Dauphin district, eastern and northern Saskatchewan, part of northern Alberta, and in parts of British Columbia, precipitation was less than normal by 25 to 50 per cent for the most part.

In southern Alberta and southwestern Saskatchewan the month was much wetter than usual, two to four times the usual amount being recorded over a large area. In British Columbia excesses of 40 to 50 per cent of the normal amount were recorded in some places and deficiencies of 10 to 50 per cent in others. In the lower St. Lawrence Valley excesses were 10 to 50 per cent of the normal amount.

BRITISH COLUMBIA

The month was about four degrees warmer than a normal April except on the coast where it was one or two degrees above normal. Precipitation was rather unevenly distributed, some places on Vancouver Island and in the lower Fraser Valley and the Thompson river region reporting an excess over normal of 5 to 50 per cent while some points reported an equally large deficiency. In the Kootenays and the Okanagan and Kettle Valleys the amount was nearly normal.

ALBERTA, SASKATCHEWAN and MANITOBA

During April, temperatures averaged five to seven degrees higher than the normal April temperature. Precipitation was unusually heavy in southern Alberta and southwestern Saskatchewan, where two to four times the usual fall occurred over a large area. Precipitation was also above the normal amount in the Peace river valley and in the Dauphin district of Manitoba. In the Edmonton-Vegreville-Lloydminster region less than the usual April amount was recorded, the deficiency approximating 35 per cent of the normal amount. In the Prince Albert-Battleford region the deficiency was also about 35 per cent. In the Regina-Indian Head-Weyburn-Estevan region the deficiency varied from less than 5 to 25 per cent or more. In the Yorkton-Kamsack region and in most of southern Manitoba the deficiency was 40 to 80 per cent.

Including the amounts reported for April with those during last fall and winter we find that for the period Sept. 1st, 1929 to May 1st, 1930, precipitation has exceeded or equalled the normal amount over the greater part of Alberta, over the eastern part of Saskatchewan and most of Manitoba. Excess over the normal amount was forty to eighty per cent in southwestern Alberta, and five to forty per cent in the central portion and eastern districts of Alberta, and twenty-five per cent in the Peace river valley. In the Edmonton-Lacombe district there was a deficiency of about forty per cent and from the Cypress Hills to Medicine Hat a deficiency of twenty to thirty-five per cent. In Saskatchewan for the same eight months there was an excess in the east and southeast of twenty to seventy-five per cent. From Moose Jaw to Swift Current the excess was ten per cent or less. In the northern and northwestern part of the grain region of Saskatchewan there was a deficiency of five to twenty-five per cent. In Manitoba the excess was about ten per cent. in the west, with a deficiency of five to ten per cent in the Red river valley.

During the first week of May temperatures were much higher than usual for the first half while the week ended very cool. Generally the week averaged five to eight degrees warmer than is usual for that week, except in the Edmonton and Peace river districts where the week was normal or a little cooler than normal. During the week rains occurred over most of the West on two to four days. At several points in Manitoba and eastern Saskatchewan more rain fell in this week than usually falls in the whole month of May. In western Saskatchewan and Alberta some points missed the rain, others had heavy rains. The only region which has not had good precipitation during the period since last harvest is now a comparatively small area in the region from Outlook to Kindersley.

ONTARIO

April was generally a little cool and dry in southern districts. In the north the month was 3 to 5 degrees warmer than usual north and west of Lake Superior but 3 to 5 degrees cooler than usual from the Georgian Bay north to James Bay and Hudson Bay. Precipitation was generally deficient in the north by 20 to 75 per cent of the normal amount except in the Georgian Bay region where it was nearly normal and 25 to 50 per cent below the normal amount over the larger part of the south.

QUEBEC

Along the St. Lawrence the temperature averaged nearly normal and cooler than normal elsewhere except at the extreme eastern part of the Gulf region. Precipitation was 10 to 50 per cent in excess along the lower St. Lawrence and 20 to 50 per cent in defect elsewhere.

ATLANTIC PROVINCES

Unseasonably cold weather prevailed about the middle of the month, but the month averaged nearly normal except in northwestern New Brunswick and extreme southwestern Nova Scotia which were two degrees cooler than normal. Precipitation was generally 25 to 50 per cent. less than the normal amount. Forest fires occurred over small areas in New Brunswick.

HUDSON STRAIT

Temperatures were normal to four degrees below in the Strait and five degrees below in the Bay at Churchill.

SPECIAL REPORTS

NOTE—Column H is Highest Temperature; Column L is Lowest Temperature; Column P is Precipitation in inches; Column I denotes total of bright sunshine in hours during the month; Column Sg denotes depth of snow on ground in inches, where given.

BRITISH COLUMBIA

STATION	H	L	P	I	STATION	H	L	P	I	STATION	H	L	P	I
Victoria	66°	38°	1.0	184	Chilliwack	75°	32°	3.9		Golden	72°	18°	0.7	
Sooke	66°	33°	2.1		New Westminster	68°	34°	5.1		Revelstoke	78°	23°	0.7	
Duncan	71°	29°	3.1		White Rock	67°	36°	3.0		Field	65°	24°	1.5	
Nanaimo	65°	36°	3.2	155	Salmon Arm	72°	29°	1.2	161	Glacier	58°	22°	4.1	
Vancouver	69°	35°	4.7	143	Oliver	75°	32°	1 1	187	Nelson	79°	27°	1.6	
Goldstream Lake	...	...	3.0		Vernon	72°	28°	1 0	190	Penticton	73°	27°	0.8	
Alberni	69°	28°	6 0		Kamloops	73°	32°	0.7	240	Grand Forks	78°	27°	...	
Sandwick	...	...	3.8		Creston	73°	28°	1 1		Prince George	74°	18°	0.5	
Agassiz	74°	35°	2.3	108	Cranbrook	72°	23°	0.9		Prince Rupert	64°	30°	5.5	

ALBERTA, SASKATCHEWAN, and MANITOBA

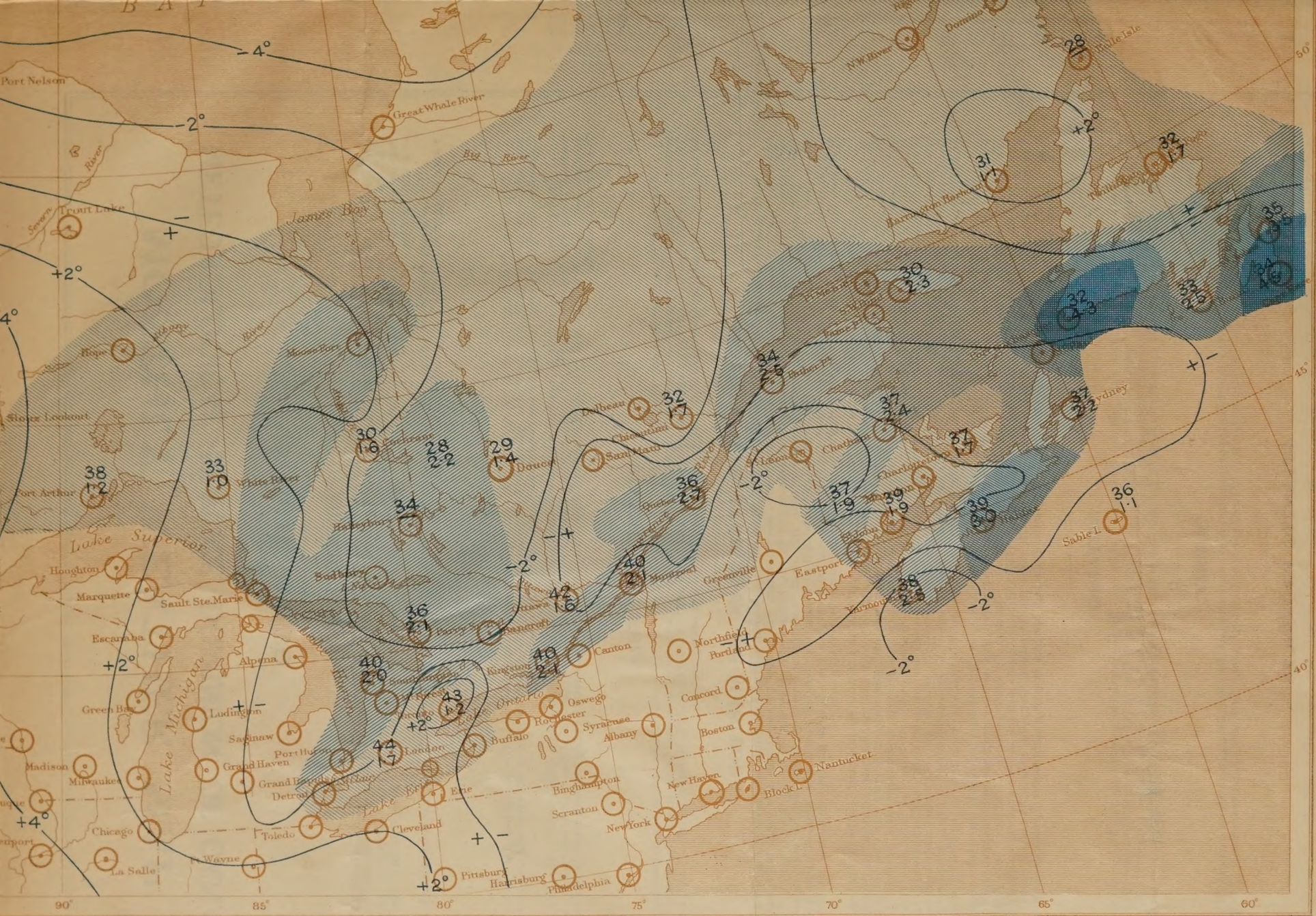
STATION	H	L	P	I	Sg.	SPECIAL REPORTS
Beaver Lodge	67°	17°	0.6	239		A favorable month for work on Grande Prairie but less forward east of Smoky River and north of Peace River. Wheat seeding nearly completed in this neighborhood. Moisture conditions everywhere excellent.
Edmonton	70°	16°	0.6	200		Periods of very mild weather alternated with periods of cold weather during April. Strong winds are causing soil drifting. Seeding commenced on the 7th and was general by the 15th. In this vicinity more moisture is needed. River clear of ice on the 7th.
Calgary	76°	22°	3.0	217		
Medicine Hat	81°	21°	1.7	187		About seventy-five per cent of seeding done.
Prince Albert	63°	14°	0.5			Seeding general with moisture now in ground considered sufficient for the present. Forest fire hazard high until rain of the 26th.
Battleford	70°	13°	0.4			Seeding about seventy-five per cent completed. Soil conditions favorable, moisture sufficient for present needs.
Scott	68°	11°	0.4	211		
Swift Current	74°	14°	1.8	218		There is between forty and fifty per cent of the crop seeded with a considerable part of it shewing above ground.
Moose Jaw	76°	19°	1.0	239		
Qu'Appelle	73°	16°	0.8	261		Weather generally favorable.
Assiniboia	71°	19°	1.1			Work on land commenced on April 8th. Thirty per cent of the wheat has been sown. Seeding delayed by rains. Soil moisture good.
Anglia	72°	15°	1.2			Wheat sowing began on 15th. Some of the earliest sown wheat is now above ground. Soil moisture fair.
Beechy	73°	12°	0.6			First sowing on 8th. Early sown grains now up above ground. Soil moisture sufficient for the present.
Cadillac	72°	16°	1.1			First sowing of grain on 1st. Early sown wheat and oats now above ground. Soil dry early in the month but now quite wet.
Carlyle	73°	18°	0.3			First sowing of wheat on the 10th, coarse grains on the 22nd. Fall rye rather poor. Soil very dry.
Chaplin	72°	18°	1.7			First sowing of wheat on April 1st.
Dana	65°	15°	0.3			First sowing of wheat on the 11th. Soil dry.
Francis	72°	15°	0.4			First sowing of wheat April 22nd. Soil is fairly moist and wheat has germinated well.
Gravelbourg	73°	20°	1.7			First sowing of wheat on 17th. About half the wheat has been sown. Soil condition good.
Grenfell	74°	18°	0.6			First sowing of wheat April 10th, coarse grains April 15th. Soil moisture poor to fair.
Muenster	72°	12°	0.4			First sowing of wheat on 12th. Soil moisture fair.
Quill Lake	69°	10°	0.4			First sowing of wheat April 12th, coarse grains on 10th. Plenty of moisture in the soil.
Rosetown	72°	15°	1.0			First sowing of wheat April 9th. Soil wet on the surface, subsoil dry.
Saskatoon	70°	17°	1.1			
Waseca	65°	10°	0.6			General sowing of wheat on the 15th, coarse grains end of the month. Some very early sown wheat above ground on the 21st. Was frozen down but is now recovering. Soil moisture good
Whitewood	72°	14°	1.3			Wheat sown from April 8th to 30th. Coarse grains sown after April 20th. Soil dry until end of the month when heavy rains came.
Le Pas	67°	11°	0.4	239		
Minnedosa	76°	10°	1.0			Seeding started on the 10th, wheat about finished. Land in good condition. Stock wintered well.
Winnipeg	71°	17°	0.5	228		
St. Albans (Treesbank)	76°	15°	0.7			Ice broke up on Assiniboine River on the 6th. Seeding started on the 9th. Plenty of grass by end of the month and stock doing well. Some hail fell during thunderstorm on the 30th.
Brandon	73°	15°	1.1	215		Work on land started on the 8th. Seeding fairly general by the 14th. Frost occurred on 17 nights. Moisture from the winter snowfall disappeared from the surface very rapidly owing to dry condition of the soil.
Birtle	77°	14°	1.4			The first ten days were warm and the snow melted rapidly. Middle of the month was colder with frosty mornings which retarded seeding. Wheat all seeded by the 30th. Dry throughout month until afternoon of the 30th when over an inch of rain fell during thunderstorm which will be very helpful to wheat. Most of the sloughs are dry.
Morden	73°	17°	0.1			Wheat seeding 95 per cent completed. Good seeding weather and land is in good condition.
Oak Bank	74°	10°	0.3			Ground much too dry. Very slow growth to date. Some wheat seeded by middle of month.
Treherne	73°	15°	0.7			Seeding general by the 14th. Wheat about 85 per cent seeded. The first wheat sown is now above ground.
Russell	71°	2°	...			
Great Falls	66°	12°	...			
Morden(Exp.Farm)	74°	15°	0.2	205		
Pinawa	69°	11°	0.2			
Sprague	69°	7°	0.3			
Virden	77°	20°	0.5			
Cypress River	71°	12°	0.4			
Morris	74°	19°	0.2			Snow all gone by the 5th, not much flooding. Owing to very little frost in the ground, moisture soaked in and soil was slow in drying. Grass is now coming on well. Ninety per cent of wheat is seeded.
Graysville	72°	19°	...			
Ninette	74°	17°	1.3			Seeding being done under favorable conditions.

ONTARIO

STATION	H	L	P	I	Sg.	SPECIAL REPORTS
Kenora	70°	15°	0.3			
Quorn	72°	10°	0.7			
Port Arthur	70°	17°	1.2			Inland lakes open. Pulpwood coming down the streams. Roads good.
White River	66°	-4°	1.1			
Kapuskasing	62°	-10°	2.2	167		
Cochrane	68°	2°	1.6			
Ruel	68°	-5°	0.7			Greatest depth of snow on ground during April was 9 inches which had all melted by the 30th. Ice on lakes ready to break up by end of month.
Sudbury	72°	18°	1.7			
Haileybury	68°	13°	...			No growth of vegetation or crops visible yet. Ice of variable thickness and rotting. No snow on ground.
Parry Sound	70°	16°	2.1			Snow all gone, grass getting green. Navigation opened on April 25th.
Scotia Junction	73°	15°	2.2			No snow on ground but crops not yet shewing.
Beatrice	76°	14°	2.4			Weather was cold and backward until the last two or three days. Seeding has not yet started.
Walker's Point	77°	15°	2.4	188		
Washago	...	...	2.2			Lakes Couchiching and Simcoe clear of ice on April 22nd. Seeding starting in this vicinity.
Barrie	75°	14°	2.2			Ice went out of Kempenfeldt Bay on April 18th. Seasonal growth about 10 days later than usual.
Beeton	79°	5°	1.2			Roads in good condition. Seeding has started. Fall wheat fair.
Walkerton	81°	23°	1.8			April was very dry. Farmers were on the land early and much seeding has been done. Garden and wild flowers in bloom earlier than usual.
Alton	78°	20°	2.0			Snowflurries on 22nd.
Mount Forest	80°	18°	0.3			Seeding in progress.
Stratford	80°	20°	1.9			
Brucefield	71°	23°	2.2			
Lucknow	79°	16°	0.9			Very little rain during month. Land in good condition for cultivation.
Southampton	70°	20°	2.0			April was a stormy month. The 20th to 26th was cold with high winds and snow. Last week was warm and very favorable with good growth. Soil is drying up well and ploughing is in progress. Last of ice went on April 25th.
Woodstock	79°	23°	0.9	167		Quite cool until the 29th.
London	81°	24°	1.7			
Paris	83°	23°	1.6			
Simcoe	80°	20°	1.3			Fall wheat wintered fairly well despite the drought after seeding. April generally has been mild and fine.
Harrow	86°	23°	1.4	147		
St. Catharines	77°	26°	1.0	156		
Toronto	71°	25°	1.2	182		
Bloomfield	73°	17°	1.5			
Kingston	66°	20°	2.1	171		Seeding has just commenced. Pasture poor, nearly all clover killed out.
Peterboro'	78°	21°	2.3			Trees budding at end of month.
Queensboro'	75°	16°	1.5			Fall grain and clover have wintered in fair condition. Vegetation backward. Pasture shewing little growth owing to generally low temperatures and lack of precipitation. Ploughing and seeding well under way.
Healey Falls	66°	20°	1.9			
Brockville	74°	20°	2.1			Not much work done on the land. Water plentiful.
Morrisburg	74°	18°	2.2			Maple syrup yield below average. Snow all gone by the 15th.
Ottawa	74°	19°	1.6			
Ottawa (Exp.Farm)	72°	18°	1.7	193		Spring seeding on April 28th with ideal weather and soil conditions in Ottawa vicinity.
Sand Point	68°	18°	1.3			Lake practically clear of ice by the 20th. Harrowing and seeding under way during the last five days.
Pembroke	74°	15°	1.6			Lake open and ferry running on the 19th. Very little work done on the land up to the 30th owing to the backward spring.

QUEBEC

Cedars	68°	21°	3.0			Creeks free of ice on 13th. Spring ploughing commenced on 16th. Seeding in full swing on the 28th.
Macdonald College	69°	20°	2.2			Month has been exceptionally dry. Ploughing and cultivating land commenced about April 10th.
Montréal	66°	21°	2.1	167		
Farnham	76°	16°	1.4	174		The soil is very well dried out and will be ready for cultivation in a few days.
Brome	67°	12°	1.8			Maple sugar season has now ended.
Lennoxville	70°	13°	1.6	179		The spring has been backward and land is scarcely fit for cultivation. Cold weather has delayed growth of hay and grass.
Sherbrooke	68°	17°	2.0	161		Ice still on the lakes.
Drummondville	66°	16°	1.4			On April 7th St. Francis River was entirely free of ice. On May 1st spring ploughing and onion seeding began.
Nicolet	64°	18°	2.2			Ice went out of Nicolet River on April 12th.
Sorel	66°	18°	1.0			Ploughing began on the 28th. Roads in good condition. Ice moving down St. Lawrence River on the 3rd.
St. Gabriel de Brandon	62°	12°	1.8			Lake not yet open, considerable snow in the forest. Ploughing and seeding has begun.
Donnacona	63°	17°	2.2			
Joliette	63°	18°	1.4			Assomption River free of ice on the 13th.
Beauceville	66°	9°	0.9			Ice went out of river on the 7th without causing floods. Maple sugar season finished. Highway in good condition. No work has yet been done on the land.
Lake Mégantic	63°	12°	1.6			Maple sugar season ended on the 28th. Ice is breaking up.
Québec	63°	13°	2.7	160		The weather was quite cool from the 15th to the 24th and milder at the end of the month. Patches of snow on the ground.
Cap Rouge	62°	10°	3.2	168		Some patches of snow still on the ground.
St. Joachim	64°	12°	0.6			Wheeled traffic since April 7th.
Armagh	60°	15°	2.0			
Ste. Anne de la Pocatiére	65°	13°	1.2	151		April was a fine month. Snow is all melted and wheeled traffic is now on roads. Ploughing has started in this district.
Bicquet	...	...	2.0			Month generally cold and cloudy until the last week. Wagons used for first time on the 12th but with 6 inches of snow on 23rd sleighs were again used for a couple of days. Roads only fair at end of month. Much snow remains in hollows and shaded places and soil is in backward condition
Chicoutimi	66°	8°	1.7			Saguenay River clear of ice from here down to Cape Trinity, a distance of 40 miles.
Roberval	...	15°	1.2			Mostly fine month. Snow has disappeared but Lake St. John is still covered with ice with water gradually rising above it.
Sanmaur	60°	2°	...			Some snow on the ground in the forest. Lakes not yet clear of ice. Ground still frozen 10 inches deep.
Albanel	65°	2°	2.4	203		
Huberdeau	64°	13°	2.1			Snow disappeared from the 7th to the 11th of April. Ice went out of the River Rouge on the 13th.
St. Lin des Laurentides	67°	17°	...			Roads in good condition.
Maniwaki	70°	14°	1.4			Sugar harvest completed on the 22nd of April. The yield has been excellent. Spring cultivation began on the 29th.
Mont Laurier	68°	10°	0.9			
La Ferme	61°	-1°	2.2			Spring is late in this district and roads are in poor condition. Snow is gone but while the ice is breaking free along the banks of the lakes, the ice is solid some distance from shore.
Ville Marie	60°	14°	1.0			Cold month with both snow and rain. Ice is still solid on the lake but the rivers are partly open.
Abitibi	62°	-1°	2.2			No farm work yet.
Lucerne	...	...	2.3			First ploughing on the 12th. Sugar season finished on the 16th. Ice went out on the 25th.


Port Nelson
Great Whale River
Trout Lake
James Bay
Moose Fort
Hope
Stoney Lookout
Fort Arthur
White River
Lake Superior
Houghton
Marquette
Sault Ste. Marie
Escanaba
Alpena
Green Bay
Ludington
Saginaw
Port Huron
Grand Haven
Grand Rapids
Detroit
Milwaukee
Madison
Chicago
Toledo
Cleveland
Fort Wayne
La Salle
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Pond Inlet

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m normal mean temperature; also total precipitation onth.

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Cape Wolstenholme

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Port Harrison

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H U D S O N ' S

REFERENCES.

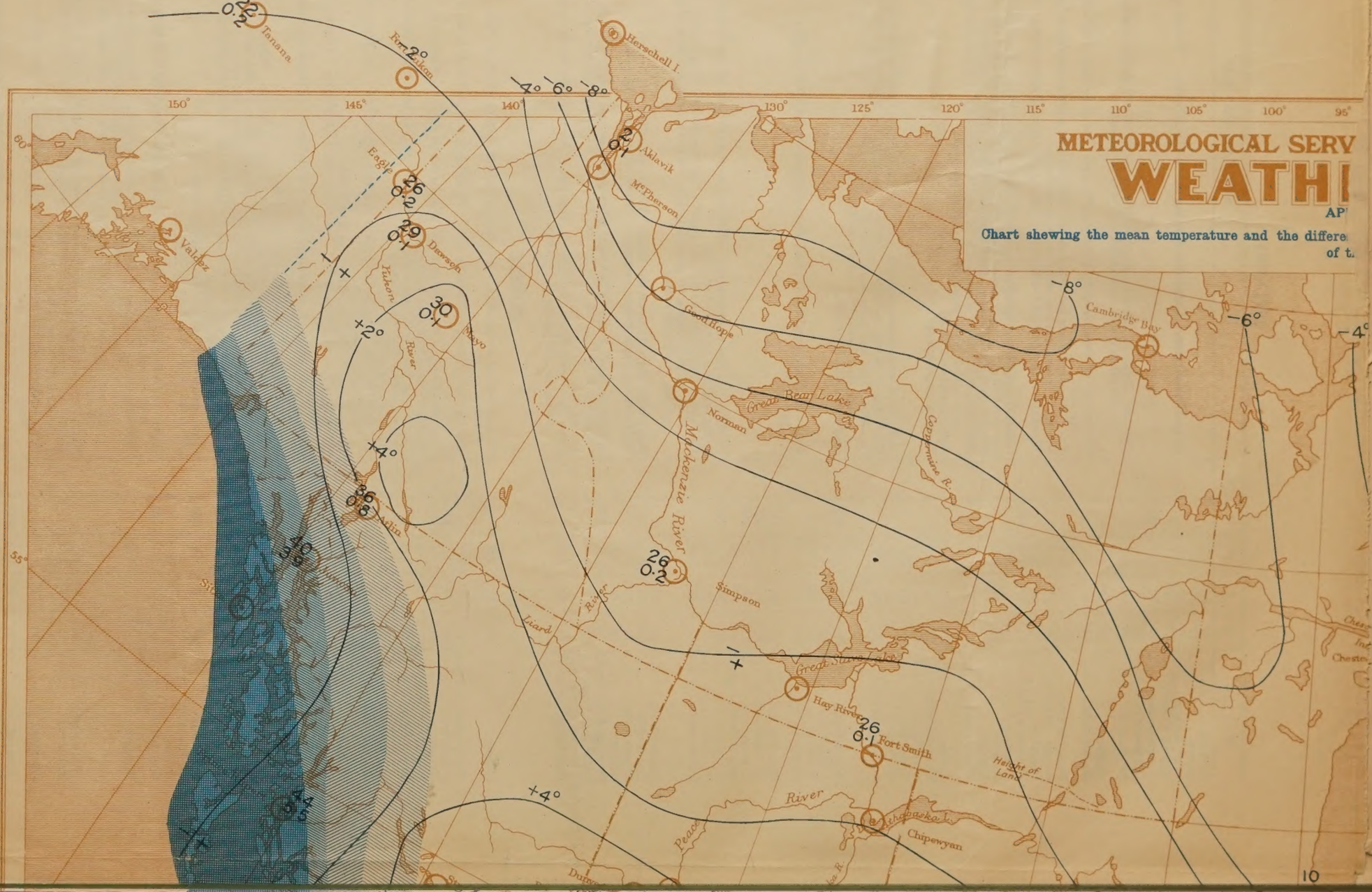
The upper Figures give the mean Temperature.

The lower Figures give the precipitation in inches.

The Black lines shew the difference from the normal mean Temperature.

The shading shews approximately the precipitation of the month.

- Less than 1 inch.
- Less than 2 inches.
- Less than 3 inches.
- Less than 4 inches.
- More than 4 inches


METEOROLOGICAL SERV
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Norman
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Hay River
Fort Smith
Peace
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Land
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ATLANTIC PROVINCES

STATION	H	L	P	I	Sg.	SPECIAL REPORTS
St. John	58°	17°	1.9	207		Backward spring. Navigation on the St. John River opened on April 11th. Low freshet. Roads dry and in good condition.
Aroostook	67°	9°	1.6			Ice went out of the St. John River below Grand Falls on the 9th. Snow of varying thickness lay on the ground in the open until the 14th. Roads in good condition. Frost coming out of the ground. Month generally dry and cloudy.
Bathurst	61°	13°	2.3			
Chatham	62°	14°	2.4			
Edmundston	62°	10°	0.6			
Gagetown	68°	13°	2.3			April was very cold except for the first and last parts of the month. Ice formed on pools and ground was frozen at night until the 29th. Bulbs coming on well, shrubs leafing.
Grand Falls	64°	9°	1.8			First summer birds on the 12th.
Fredericton	64°	15°	1.9	182		
Fredericton (Experimental Farm)	66°	11°	2.3	194		Ice went out of the St. John River on the 8th. Season approximately two weeks earlier than last year. Fields are drying rapidly.
Harvey	62°	13°	2.4			Ice went out of lakes on the 28th.
Moncton	62°	9°	2.0			
Musquash	60°	12°	1.9			Ice went out on the 12th.
McAdam Junction	64°	14°	2.9			Month was cool with light rainfalls.
Rexton	63°	5°	1.6			
Sussex	67°	14°	1.9			Seeding has started. Roads in good condition.
Woodstock	70°	11°	1.0			Ice went out of river on the 7th. Ground cold. No seeding or planting done.
Halifax	66°	17°	3.0			
Annapolis Royal	65°	19°	1.9	210		
Digby	61°	18°	1.7			Strong, cold winds during the entire month, not much rain. Grass quite green and bulbs up in gardens.
Kentville	64°	16°	1.6	190		Seeding started in vegetable gardens the last of the month. Most of the ploughing on early lands has been completed.
Liverpool	64°	16°	2.5			The month has been unusually cold and in consequence vegetation is backward. On the morning of the 12th in small receptacles ice was an inch thick.
Nappan	64°	16°	1.0	173		April was exceptionally fine, cool and very dry throughout. Fields were bare all month. Indications are for a very early spring.
Sydney	64°	18°	2.2			The month was fine and cold throughout.
Upper Stewiacke	67°	7°	3.0			Conditions generally very dry. Harrowing partially completed.
Wolfville	63°	18°	1.6	208		Spring somewhat backward Fruit buds at least one week later than those of last year. Farming has started on high lands, low lands still wet.
Yarmouth	56°	18°	2.5			Fresh gale on April 3rd caused severe damage to lobster traps and fishing gear. Ploughing and seeding well advanced. Flowers, shrubs and leaf buds on trees well in advance of last year. Except for two cold snaps about the middle of the month, April has been fine, warm, and dry with precipitation below normal.
Charlottetown	61°	17°	1.7			
Charlottetown (Experimental Farm)	65°	17°	1.7	181		The clover meadows are promising. Spring work started the last of the month.